

NEW AUSTRALIAN FISHES. PART 1. INTRODUCTION

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Abstract

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Papers describing new Australian fishes are introduced and listed.

Introduction

During recent years, a number of new faunal studies have been published on Australian fishes (e.g., Hutchins, 1979; Edgar et al., 1982; Last et al., 1983; Hutchins and Thompson, 1983; Gloerfelt-Tarp and Kailola, 1984; Sainsbury et al., 1985) in an attempt to satisfy the need for identification guides. Since many of the Australian fish families are relatively poorly known taxonomically, these relatively quickly prepared and published works contain references to a considerable number of previously undescribed species for which latinized names have not been proposed. The purpose of this collection of papers is to formally name many of the undescribed species that have been presented in such publications, together with others that will be included in forthcoming guides, so that colleagues may accurately refer to these species rather than having to use unstable common names or confusing references to undescribed forms. Descriptions are presented in a series of brief papers, or parts, provided by different combinations of authors to recognise efforts of those involved and authorships as originally intended. In an attempt to make these names available as soon as possible, most species are described in less detail than is customary. Each treatment provides, where relevant, a synonymy, type details, a brief description and/or diagnosis, distributional information, an etymology, brief comparisons with related species, and references to any published

illustrations. Most species treated are currently being studied by the respective authors for inclusion in revisions of higher taxa. These revisions are expected to be published within the next decade. Authors, titles and pages of subsequent parts of this series are:

Allen, G. R. New Australian fishes. Part 2. Four new species of Apogonidae. *Mem. Mus. Vict.* 48: 3-8.

Allen, G. R. New Australian fishes. Part 3. A new species of *Pomacentrus* (Pomacentridae). *Mem. Mus. Vict.* 48: 9-11.

Allen, G. R. New Australian fishes. Part 4. A new species of *Steeneichthys* (Plesiopidae). *Mem. Mus. Vict.* 48: 13-14.

Allen, G.R. and Ayling, A.M. New Australian fishes. Part 5. A new species of *Acanthurus* (Acanthuridae). *Mem. Mus. Vict.* 48: 15-16.

Gomon, M.F. New Australian fishes. Part 6. New species of *Lepidotrigla* (Triglidae), *Choerodon* (Labridae) and *Zebrias* (Soleidae). *Mem. Mus. Vict.* 48: 17-23.

Gomon, M.F. and Allen, G.R. New Australian fishes. Part 7. A new species of *Choerodon* (Labridae). *Mem. Mus. Vict.* 48: 25-26.

Gomon, M.F. and Kuitert, R.H. New Australian fishes. Part 8. A new species of *Aulotrachichthys* (Trachichthyidae). *Mem. Mus. Vict.* 48: 27-29.

Gomon, M.F. and Last, P.R. New Australian fishes. Part 9. A new species of *Kathetostoma* (Uranoscopidae). *Mem. Mus. Vict.* 48: 31-33.

Hoese, D.F. and Allen, G.R. New Australian

fishes. Part 10. A new genus and two new species of freshwater eleotridid fishes (Gobioidei) from the Kimberley region of Western Australia. *Mem. Mus. Vict.* 48: 35-42.

Hoesse, D.F. and Larson, H.K. New Australian fishes. Part 11. A new genus and species of eleotridid (Gobioidei) from southern Australia with a discussion of relationships. *Mem. Mus. Vict.* 48: 43-50.

Hutchins, J. B. New Australian fishes. Part 12. A new species of *Eubalichthys* (Monacanthidae). *Mem. Mus. Vict.* 48: 51-52.

Knapp, L. E. New Australian fishes. Part 13. Two new species of Platycephalidae. *Mem. Mus. Vict.* 48: 53-55.

Last, P.R. New Australian fishes. Part 14. Two new species of *Dasyatis* (Dasyatididae). *Mem. Mus. Vict.* 48: 57-61.

Last, P.R. and Gomon, M.F. New Australian fishes. Part 15. New species of *Trygonoptera* and *Urolophus* (Urolophidae). *Mem. Mus. Vict.* 48: 63-72.

Last, P.R. and Edgar, G.J. New Australian fishes. Part 16. A new species of *Crapatalus* (Leptoscopidae). *Mem. Mus. Vict.* 48: 73-74.

Paulin, C.D. New Australian fishes. Part 17. New species of *Gadella* and *Physiculus* (Moridae). *Mem. Mus. Vict.* 48: 75-77.

Poss, S. G. and Allen, G.R. New Australian fishes. Part 18. A new species of *Cocotropus* (Aploactinidae). *Mem. Mus. Vict.* 48: 79-82.

Roberts, C.D. New Australian fishes. Part 19. A new species of *Lepidoperca* (Serranidae). *Mem. Mus. Vict.* 48: 83-84.

Russell, B.C. New Australian fishes. Part 20. A new species of *Aplodactylus* (Aplodactylidae). *Mem. Mus. Vict.* 48: 85-87.

Shimizu, T. and Hutchins, J. B. New Australian fishes. Part 21. A new species of *Centroberyx* (Berycidae). *Mem. Mus. Vict.* 48: 89-90.

Each of these parts is an independent, anonymously refereed paper authored by the respective contributor or contributors. We are not to be considered editors of the series.

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- Last, P.R., Scott, E.O.G. and Talbot, F.H. 1983. *Fishes of Tasmania*. Tasmanian Fisheries Development Authority: Hobart. 563 pp.
- Sainsbury, K.J., Kailola, P.J. and Leyland, G.G. 1985. *Continental Shelf Fishes of Northern and Northwestern Australia*. Clouston and Hall: Canberra. 375 pp.